

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/766,011

AMENDMENTS TO THE SPECIFICATION

Page 1, delete paragraph [0004] and replace with the following new paragraph:

Next, mRNAs extracted from two kinds of different conditional samples, cell 1 and cell 2 (e.g., normal cell and cancer cell), are labeled respectively with fluorescence dyes different in wavelength from each other to synthesize target cDNAs. Then, these cDNAs are mixed in equal proportions, and hybridized with the microarrayed cDNAs or reference probes. After this competitive hybridization, the glass slides are imaged using a scanner and fluorescence intensities are measured separately for each dye. The fluorescence dye with which the cell 1 is labeled and the fluorescence dye with which the cell 2 is labeled are read from channel 1 and channel 2, respectively, to obtain gene expression level data (microarray data).